

Form PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE			ATTY. DOCKET NO. 016777/0433		SERIAL NO. 09/668,154		
INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>					APPLICANT Gautvik et al.				
					FILING DATE 9/25/2000		GROUP ART UNIT Unassigned		
U.S. PATENT DOCUMENTS									
EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE		
	A1	4,624,926	11/86	Inouye et al.	435	253	RECEIVED NOV 28 2000		
	A2	5,171,670	12/92	Kronenberg et al.	435	69.4			
	A3	3,886,132	05/75	Brewer et al.	530	324	NOV 28 2000 TECH CENTER 1600/2900		
	A4	5,010,010	04/91	Gautvik et al.	435	252.3			
	A5	4,532,207	07/85	Brewer et al.	435	69.4	NOV 28 2000 TECH CENTER 1600/2900		
	A6	4,394,443	07/83	Weissman et al.	435	6			
	A7	4,338,397	07/82	Gilbert et al.	435	69.1	NOV 28 2000 TECH CENTER 1600/2900		
	A8	4588684	05/86	Brake	435	69.4			
	A9	4546082	10/85	Kurhan et al.	435	69.4	NOV 28 2000 TECH CENTER 1600/2900		
	A10	4237224	12/80	Cohen et al.	435	69.1			
	A11	4468464	08/84	Cohen et al.	438	320.1	NOV 28 2000 TECH CENTER 1600/2900		
	A12	4366246	12/82	Riggs	435	69.8			
	A13	4425437	01/84	Riggs	435	320.1	NOV 28 2000 TECH CENTER 1600/2900		
	A14	4264731	04/81	Shine	435	91.41			
FOREIGN PATENT DOCUMENTS									
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION		
							YES	NO	
	A15	PCT/US83/01361	03/84	PCT					
	A16	2 094 833	09/82	Great Britain					
	A17	2 092 596	08/82	Great Britain					
	A18	0 123 544	10/84	Europe					
	A19	84/01173	03/84	PCT					
	A20	0 013 907 6	05/85	Europe					
	A21	0 038 183	10/81	Europe					
	A22	0 163 406	12/85	Europe					
	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
		A23	Keutmann et al., "Complete Amino Acid Sequence of Human Parathyroid Hormone", Amer. Chem. Soc., Vol. 17, No. 26 (1978) pp. 5723-5729						
		A24	G. Sofer et al., BioTechniques, Nov./Dec. 1983, pp. 798-203						
EXAMINER					DATE CONSIDERED 3/15/02				
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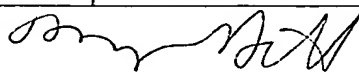
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MA	A25	Naylor et al., "Human Parathyroid Hormone Gene (PTH) is on Short Arm of Chromosome 11", <i>Somatic Cell Genetics</i> , Vol. 9, No. 5, 1983, pp. 609-616
	A26	Ernst, Joachim F., "Efficient Secretion and Processing of Heterologous Proteins in <i>Saccharomyces cerevisiae</i> Is Medicated Solely by the Pre-segment of α -Factor Precursor", <i>DNA</i> vol. 7, No. 5, 1988, pp. 355-360
	A27	Hendy, G.N., (Abstract) "Cloning of Human Parathyroid Hormone mRNA and Gene", <i>Calcified Tissue International</i> , Vol. 36, 1984, pg. 286
	A28	Born et al. (Abstract) "Expression of Human Preproparathyroid Hormone in <i>E. coli</i> and Yeast", <i>Calcified Tissue International</i> , Vol. 36 (suppl. 2), 1984, pg. 287
	A29	Breyel et al., (Abstract) Synthesis of Mature Human Parathyroid Hormone in <i>Escherichia Coli</i> , <i>Calcified Tissue International</i> , Vol. 36 (Suppl. 2), 1984 pg. 297
	A30	McDevitt et al., (Abstract) "Isolation of Human Parathyroid Hormone Genes", <i>Calcified Tissue International</i> Vol. 31, 1980, pg 74
	A31	Born et al. (Abstract) "Expression of Human Preproparathyroid Hormone in <i>E. coli</i> and Yeast", <i>Calcified Tissue International</i> , Vol. 36, 1983, pg. 679
	A32	Breyel et al., "Synthesis of Mature Human Parathyroid Hormone in <i>Escherichia Coli</i> ", <u>Third European Congress on Biotechnology</u> , Vol. III, 1984, pg. 363
	A33	Sung et al., "Hybrid gene synthesis: its application to the assembly of DNA sequences encoding the human Parathyroid hormones and analogues", <i>Biochem. Cell Biol.</i> , Vol. 64, 1986, pp. 133-138
	A34	Kronenberg et al., "Studies of Parathyroid Hormone Secretion Using recombinant DNA Technology", <i>Endocrine control of bone and calcium metabolism</i> , 1984, pp. 217-220
	A35	Born et al., "Expression and Processing of Human Preproparathyroid Hormone in <i>Escherichia coli</i> ", <i>Experientia</i> Vol. 39, 1983, pg. 659
	A36	Vasicek et al., "Nucleotide sequence of the human parathyroid hormone gene", <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 80, 1983, pp. 2127-2131
	A37	Kronenberg et al. "Cloning and nucleotide sequence of DNA coding for bovine preproparathyroid hormone", <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 76, No. 10, 1979, pp. 4981-4985
J	A38	Hellerman et al., "secretio of human parathyroid hormone form rat pituitary cells infected with a recombinant Retrovirus encoding preproparathyroid hormone", <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 81, 1984, pp. 5340-5344
	A39	Gordon et al., "Synthesis, restriction analysis, and molecular cloning of near full length DNA complementary To bovine parathyroid hormone mRNA" <i>Nucleic Acids Research</i> , vol. 8, 1980, pp. 5669-5683 (Abstract)

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
A40	Gordon et al., "(abstract), "Molecular cloning and structural analysis of Near full-length DNA complementary To the mRNA Coding for Bovine Parathyroid Hormone", Fed. Proc., Vol. 39, No. 6, 1980, pg. 947						
	Kronenberg et al., (abstract), "Structural Analysis of the Human parathyroid hormone gene", Calcified Tissue International, vol. 33, 1981, pg. 322						
A42	Cantrell et al., "cDNA Cloning, Expression, and Activity of Human Granulocyte-Macrophage Colony-Stimulating Factor", Recombinant Lymphokines and their receptors, 1987, pp. 187-205						
A43	Hendy, (abstract), "Cloning of Human Parathyroid Hormone mRNA and Gene", Calcified tissue International, Vol. 36, pg. 286, 1984						
A44	Breyel et al., "Synthesis of mature Human parathyroid hormone in Escherichia coli", Third European Congress On Biotechnology, Vol. III, pg. 363, 1984						
A45	Hendy et al., "Nucleotide sequence of cloned cDNAs encoding Human Preproparathyroid hormone", Proc. Natl. Acad. Sci., USA Vol. 78, 1981, pg. 7365						
A46	Brake et al., "Alpha-Factor-directed synthesis and secretion of mature foreign proteins in Saccharmyces Cerevisiae, 1984						
A47	K. Kumagaye et al., J. Chromatography 327:327-332, 1985						
A48	T. Kimura et al., Biochem Biophys Res. Comm. 114(2):493-499, 1983						
A49	T. Fairwell et al., Biochemistry 22:2691-2697, 1983						
A50	H. T. Keutmann et al., Biochemistry 13(8) 1646-1652, 1974						
A51	H. D. Niall et al., proc. Nat. Acad. Sci. USA 71(2):384-388, 1974						
A52	Watson, J. D. et al., "Recombinant DNA, A short course", Scientific American Books, pp. 2-16, New York, 1983						
A53	R.W. Old et al., Principles of Gene manipulation an Introduction to Genetic Engineering", Blackwell Scientific Publications, 3 rd . ed., pp. 183-202, 1985						
A54	M. S. Exposito, "yeast Molecular Biology – Recombinant DNA", Noyes publication, pp. 93-287, 1984						
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